

# Energy Efficiency Workshops for Kentucky



## High Performance Homes & HVAC Systems

Somerset	6/15/05
Bowling Green	6/16/05
Louisville	6/23/05

## Building the High Performance Home

Covington	6/27/05
Lexington	6/28/05
Louisville	6/29/05

## Workshop Sponsors

- ◆ Kentucky Office of Energy Policy, Division of Renewable Energy and Energy Efficiency
- ◆ United States Department of Energy

## Workshop Cosponsors

- ◆ Kentucky Cooperative Extension Service
- ◆ Kentucky Office of Housing, Buildings, and Construction
- ◆ Touchstone Energy Cooperatives
- ◆ AIA Kentucky
- ◆ Homebuilders Association of Kentucky
- ◆ Homebuilders Association of Frankfort
- ◆ Lake Cumberland Homebuilders Association
- ◆ Homebuilders Association of Northern Kentucky
- ◆ Bluegrass ASHRAE
- ◆ KU and LG&E
- ◆ Tennessee Valley Authority
- ◆ Louisville Metro Government

# Energy Update Workshops Register Now!

## Introduction

The Kentucky Division of Renewable Energy and Energy Efficiency is pleased to announce three, one-day workshops on High Performance Homes and HVAC Systems and three separate one-day workshops on Building the High Performance Home coming up this June in cities across Kentucky. These workshops support the goals outlined in Governor Ernie Fletcher's Comprehensive Energy Strategy. (Please visit [www.energy.ky.gov](http://www.energy.ky.gov) to view the Kentucky Energy Plan.)

The wide-ranging programs feature presenters from Southface, a nationally recognized organization with a 27-year history of providing objective, entertaining training sessions on how to build better homes. These workshops will focus on the practical aspects of energy-efficient construction that can increase the marketability of the homes you design and build. From the footing to the ridge vent you will learn how the house works as a system, how to make a house efficient while maintaining healthy indoor air quality and how to evaluate efficiency options from a common-sense, bottom-line standpoint.

This round of workshops will place special emphasis on cost effective technologies for surpassing both the energy code as well as ENERGY STAR™ standards. In addition, attendees will learn **techniques to minimize mold formation** and other indoor air quality problems. The workshops will also feature **case studies of successful high quality home programs** as well as **green building programs** in the region. The workshops are nuts and bolts sessions that focus on recommended construction details.



## Workshop Topics

- ☐ Kentucky's new Energy Code
- ☐ How to prevent mold and avoid other moisture problems
- ☐ Sealed crawl spaces with insulated walls
- ☐ Technologies such as Structural Insulated Panels and Insulated Concrete Forms
- ☐ Importance of air and moisture barriers
- ☐ Avoiding HVAC and ductwork problems
- ☐ Indoor air quality and ventilation
- ☐ Heat recovery systems
- ☐ Radon mitigation
- ☐ Green buildings and sustainable design
- ☐ Blower doors and duct testing
- ☐ Energy Star Homes and HERS Ratings



## Continuing Education Credits

**Architects** belonging to AIA will receive seven and a half health, safety, and welfare learning units for attending either workshop.

**Registered Builders and Remodelers** belonging to the HBA of Northern Kentucky and **Builders** belonging to the Lake Cumberland HBA will receive seven and a half continuing education credits for attending either workshop. Louisville Metro Residential Contractors will receive six credits for attending either workshop.

**Building Code Inspectors** will receive seven and a half continuing education credits for attending either workshop.

**HVAC Professionals** will receive eight continuing education credits towards a Master's and/or Journeyman's license for attending either workshop.

***Learn about Kentucky's Mandatory  
Statewide Building Energy Code  
and the Latest Techniques for  
Improving Energy Efficiency***

Insulated crawl  
space walls



Blown in wall and  
ceiling insulation



Insulated foundation  
systems with drainage



Energy efficient  
framing details



Blower door and other  
diagnostic testing



Sealed ductwork  
systems



**Southface - North Carolina**  
P.O. Box 348 ❖ Boone, NC 28607  
Tel: (828) 265-4888 ❖ FAX: (828) 264-2333  
southface@goboone.net  
www.southface-energycode.org

**High Performance Homes and HVAC  
Systems**

8:00 a.m. Registration  
8:30 a.m. Basic Concepts  
❖ Moisture  
❖ Heat Transfer  
❖ Pressure Imbalance  
9:30 a.m. Duct Leaks and Duct Sealing  
10:30 a.m. Duct Leakage Testing  
11:15 a.m. HVAC Sizing  
noon Lunch (provided)  
12:30 p.m. Duct Sizing  
1:30 p.m. REScheck and Energy Modeling  
2:30 p.m. High Efficiency HVAC Systems  
3:30 p.m. IAQ and Ventilation  
4:30 p.m. Adjourn

**Building the High Performance Home**

8:00 a.m. Registration  
8:30 a.m. Introduction  
8:45 a.m. Moisture, Energy and the Code  
❖ The Basics  
❖ Mold Prevention  
❖ Crawl Spaces  
❖ Slabs  
❖ Walls, Windows and Doors  
❖ Ceilings, Knee Walls and Attics  
noon Lunch (provided)  
12:30 p.m. REScheck™ Software  
1:30 p.m. HVAC, Ducts and Ventilation  
3:00 p.m. New Products and Green Buildings  
3:45 p.m. Summary, Questions and Answers  
4:30 p.m. Adjourn

**Registration Form**

Name: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
FAX: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
\_\_\_\_ Architect \_\_\_\_ Engineer \_\_\_\_ Builder/Gen. Cont.  
\_\_\_\_ Building Code Official \_\_\_\_ Utility Representative  
\_\_\_\_ HVAC Professional \_\_\_\_ Other \_\_\_\_\_

**High Performance Homes and HVAC Systems**

\_\_\_\_ Somerset, South KY RECC Facility, 6/15/05  
\_\_\_\_ Bowling Green, Holiday Inn Univ. Plaza, 6/16/05  
\_\_\_\_ Louisville, U of L Shelby Campus, 6/23/05

**Building the High Performance Home**

\_\_\_\_ Covington, Cincinnati Riverfront Radisson, 6/27/05  
\_\_\_\_ Lexington, Holiday Inn South, 6/28/05  
\_\_\_\_ Louisville, U of L Shelby Campus, 6/29/05

**Fee for Either Workshop: \$45/day**

Type of Payment (circle): Check Credit Card

Type of card (circle): Master Card Visa

Credit Card # \_\_\_\_\_

Exp: \_\_\_\_\_ Signature \_\_\_\_\_

**Make checks payable to Southface.**

**Mail or FAX this registration to:**

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